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NEWS 15 Oct 09 Number of Derwent World Patents Index updates increased
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NEWS 18 Oct 22 DGENE GETSIM has been improved
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NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,
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=> s microbial infestation

L1 106 MICROBIAL INFESTATION

=> s l1 and treatment or control

6 FILES SEARCHED...

L2 7016921 L1 AND TREATMENT OR CONTROL

=> s l2 and protein

L3 638396 L2 AND PROTEIN

=> s l3 and antimicrobial

L4 7425 L3 AND ANTIMICROBIAL

=> s l1 and plant

L5 26 L1 AND PLANT

=> d l5 ti abs ibib 1-10

L5 ANSWER 1 OF 26 MEDLINE

TI Free radicals and food irradiation.
 AB Ionizing radiation can be used to control insect and microbial infestation of foodstuffs, inhibit sprouting, delay ripening and reduce the dangers from food-poisoning bacteria. Irradiation produces free radicals, most of which decay rapidly, although some are more persistent. These latter radicals can be detected and characterized by electron spin resonance (ESR). In bone and other calcified tissues, the radiation-induced radicals are distinguishable from naturally occurring radicals, and their stability makes them ideal for radiation dosimetry. The radicals induced in plant material, such as seeds and dried spices, are generally indistinguishable from the endogenous radicals and decay over a period of days or weeks. However, in many of these materials, a radiation-specific radical can be detected at low concentration, thereby permitting identification of irradiated samples, although precluding accurate dosimetry. ESR, although not universally applicable, currently provides the most specific method for the detection of irradiated food.

ACCESSION NUMBER: 96232738 MEDLINE
 DOCUMENT NUMBER: 96232738 PubMed ID: 8660399
 TITLE: Free radicals and food irradiation.
 AUTHOR: Dodd N J
 CORPORATE SOURCE: CRC Department of Biophysics, Paterson Institute for Cancer Research, Christie Hospital NHS Trust, Manchester, U.K.
 SOURCE: BIOCHEMICAL SOCIETY SYMPOSIA, (1995) 61 247-58. Ref: 49
 Journal code: 9ZK; 7506896. ISSN: 0067-8694.
 PUB. COUNTRY: ENGLAND: United Kingdom
 Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199607
 ENTRY DATE: Entered STN: 19960808
 Last Updated on STN: 19960808
 Entered Medline: 19960730

L5 ANSWER 2 OF 26 USPATFULL

TI Stabilization of vitamin C
 AB A natural antioxidant blend in the form of an amorphous powder was obtained by extraction from Emblica officinalis fruit. In this process, the finely pulped fruit was treated with a dilute aqueous salt solution at hot water temperature to provide an extract-containing solution, which was filtered and dried to provide the desired antioxidant blend powder. A synergistically stabilized composition of ascorbic acid or its derivatives with the antioxidant composition of Emblica officinalis, is also described. Cosmetic, pharmaceutical and nutritional use formulations thereof also are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:75374 USPATFULL
 TITLE: Stabilization of vitamin C
 INVENTOR(S): Ghosal, Shibnath, Benares, India
 PATENT ASSIGNEE(S): Natreon Inc., New Brunswick, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6235721	B1	20010522
APPLICATION INFO.:	US 2000-503899		20000215 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-251917, filed		

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Krass, Frederick
 LEGAL REPRESENTATIVE: Katz, Walter
 NUMBER OF CLAIMS: 11
 EXEMPLARY CLAIM: 1
 LINE COUNT: 778
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 26 USPATFULL

TI Water-stabilized organosilane compounds and methods for using the same
 AB The product of reacting an organosilane optionally having a nonhydrolyzable organic group, but having one or more hydrolyzable groups, with a polyol containing at least three hydroxy groups, where any two of the hydroxy groups are separated by at least three intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the product or compound and water. A method of treating a substrate by contacting the substrate with the product, compound, or composition for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:59963 USPATFULL
 TITLE: Water-stabilized organosilane compounds and methods for using the same
 INVENTOR(S): Liebeskind, Lanny S., Atlanta, GA, United States
 Allred, Gary D., Decatur, GA, United States
 PATENT ASSIGNEE(S): Emory University, Atlanta, GA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6221944	B1	20010424
APPLICATION INFO.:	US 1999-320771		19990527 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1996-646156, filed on 7 May 1996		

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Cain, Edward J.
 LEGAL REPRESENTATIVE: Needle & Rosenberg, P.C.
 NUMBER OF CLAIMS: 28
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2664
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 26 USPATFULL

TI Natural antioxidant compositions, method for obtaining same and cosmetic, pharmaceutical and nutritional formulations thereof
 AB A natural antioxidant blend in the form of an amorphous powder was obtained by extraction from Emblica officinalis fruit. In this process, the finely pulped fruit was treated with a dilute aqueous salt solution at hot water temperature to provide an extract-containing solution, which was filtered and dried to provide the desired antioxidant blend powder. Cosmetic, pharmaceutical and nutritional use formulations thereof also are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:128301 USPATFULL
 TITLE: Natural antioxidant compositions, method for obtaining

same and cosmetic, pharmaceutical and nutritional formulations thereof

INVENTOR(S): Ghosal, Shibnath, Varanasi, India
PATENT ASSIGNEE(S): Natreon Inc., Highland Park, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6124268		20000926
APPLICATION INFO.:	US 1999-251917		19990217 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Krass, Frederick		
LEGAL REPRESENTATIVE:	Katz, Walter		
NUMBER OF CLAIMS:	13		
EXEMPLARY CLAIM:	1		
LINE COUNT:	663		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 26 USPATFULL

TI Water-stabilized organosilane compounds and methods for using the same
AB The composition formed by mixing an organosilane, optionally having a nonhydrolyzable organic group, but having one or more hydrolyzable groups, with a polyol containing at least two hydroxy groups, wherein
at least any two of the hydroxy groups are separated by no more than two intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the polyol and organosilane or compound
and water. A method of treating a substrate by mixing or contacting the substrate with the product compound, or composition of this invention for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention. A method of dyeing and treating a substrate. A method of antimicrobially treating a food article. A
method of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article. A method of making a siloxane in the presence of a stabilizer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:124367 USPATFULL
TITLE: Water-stabilized organosilane compounds and methods for using the same
INVENTOR(S): Elfersy, Jacques E., Atlanta, GA, United States
Berkner, Joachim, Smyrna, GA, United States
Moses, Timothy C., Stockbridge, GA, United States
PATENT ASSIGNEE(S): BioShield Technologies, Inc., Norcross, GA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6120587		20000919
APPLICATION INFO.:	US 1999-315573		19990520 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-852474, filed on 7 May 1997, now patented, Pat. No. US 5954869		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Brunzman, David		
LEGAL REPRESENTATIVE:	Saliwanchik, Llyod & Saliwanchik		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1928		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 26 USPATFULL

TI Ether-stabilized organosilane compositions and methods for using the same

AB The composition formed by mixing an organosilane with an ether.
Water-stabilized organosilane compounds. A water stable composition made

from the ether and organosilane composition and water. A method of treating a substrate by mixing or contacting the substrate with the product, compound, or composition of this invention for a period of time

sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention.

A method of dyeing and treating a substrate. A method of antimicrobially

treating a food article. A method of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:117197 USPATFULL

TITLE: Ether-stabilized organosilane compositions and methods for using the same

INVENTOR(S): Elfersy, Jacques E., Atlanta, GA, United States
Berkner, Joachim, Smyrna, GA, United States
Moses, Timothy C., Atlanta, GA, United States

PATENT ASSIGNEE(S): Bioshield Technologies, Inc., Norcross, GA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6113815		20000905
APPLICATION INFO.:	US 1998-116636		19980716 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-53155	19970718 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	McKane, Joseph	
ASSISTANT EXAMINER:	Oswecki, Jane C.	
LEGAL REPRESENTATIVE:	Saliwanchik, Lloyd & Saliwanchik	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2227	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 26 USPATFULL

TI Water-stabilized organosilane compounds and methods for using the same

AB The product of reacting an organosilane optionally having a nonhydrolyzable organic group, but having one or more hydrolyzable groups, with a polyol containing at least three hydroxy groups, where any two of the hydroxy groups are separated by at least three intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the product or compound and water. A method

of treating a substrate by contacting the substrate with the product, compound, or composition for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1999:117585 USPATFULL

TITLE: Water-stabilized organosilane compounds and methods
for
sing the same
INVENTOR(S): Liebeskind, Lanny S., Atlanta, GA, United States
Allred, Gary D., Norcross, GA, United States
PATENT ASSIGNEE(S): Emory University, Atlanta, GA, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5959014		19990928
APPLICATION INFO.:	US 1996-646156		19960507 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Stucker, Jeffrey		
LEGAL REPRESENTATIVE:	Needle & Rosenberg, P.C.		
NUMBER OF CLAIMS:	44		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2993		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 26 USPATFULL
 TI Production of thickening agents in liquid state
 AB An aqueous thickener composition containing an organic
 water-dispersible
 or water-soluble polymeric thickener and a viscosity reducer comprising
 a compound corresponding to formula (1):

$$R.\text{sup}.1 \text{ --O--}(R.\text{sup}.2 \text{ --O})\text{.sub.n --H} \quad (1)$$

in which

R.sup.1 is an aliphatic hydrocarbon radical containing 8 carbon atoms,
 R.sup.2 represents an alkylene radical containing 2 to 4 carbon atoms,
 and
 n is an integer of 3 to 7.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 ACCESSION NUMBER: 1999:117584 USPATFULL
 TITLE: Production of thickening agents in liquid state
 INVENTOR(S): Conradi, Joachim, Duesseldorf, Germany, Federal
 Republic of
 Gress, Wolfgang, Wuppertal, Germany, Federal Republic
 of
 Neumann, Ralf, Haan, Germany, Federal Republic of
 Schieferstein, Ludwig, Ratingen, Germany, Federal
 Republic of
 Schulte, Heinz-Guenther, Muelheim, Germany, Federal
 Republic of
 PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Duesseldorf,
 Germany, Federal Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5959013		19990928
	WO 9702325		19970123
APPLICATION INFO.:	US 1997-983566		19971229 (8)
	WO 1996-EP2721		19960622
			19971229 PCT 371 date
			19971229 PCT 102(e) date

NUMBER DATE

PRIORITY INFORMATION: DE 1995-19523837 19950630
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Acquah, Samuel A.
ASSISTANT EXAMINER: Rajguru, U. K.
LEGAL REPRESENTATIVE: Szoke, Ernest G., Jaeschke, Wayne C., Grandmaison, Real

J.
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
LINE COUNT: 361
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 26 USPATFULL

TI Water-stabilized organosilane compounds and methods for using the same
AB The composition formed by mixing an organosilane, optionally having a nonhydrolyzable organic group, but having one or more hydrolyzable groups, with a polyol containing at least two hydroxy groups, wherein

at least any two of the hydroxy groups are separated by no more than two intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the polyol and organosilane or compound

and water. A method of treating a substrate by mixing or contacting the substrate with the product, compound, or composition of this invention for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention. A method of dyeing and treating a substrate. A method of antimicrobially treating a food article. A method

of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article. A method of making a siloxane in the presence of a stabilizer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1999:113157 USPATFULL
TITLE: Water-stabilized organosilane compounds and methods for

using the same
INVENTOR(S): Elfersy, Jacques E., Atlanta, GA, United States
Berkner, Joachim, Smyrna, GA, United States
Moses, Timothy C., Stockbridge, GA, United States
PATENT ASSIGNEE(S): BioShield Technologies, Inc., Norcross, GA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5954869		19990921
APPLICATION INFO.:	US 1997-852474		19970507 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Marquis, Melvyn I.		
ASSISTANT EXAMINER:	Milstead, Mark W.		
LEGAL REPRESENTATIVE:	Saliwanchik, Lloyd & Saliwanchik		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2291		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 10 OF 26 USPATFULL

TI Polymers containing antimicrobial agents and methods for making and using same

AB Polymeric compositions containing antimicrobial agents and methods for

making and using same are provided. The antimicrobial agents include phytochemicals and phytonutrients such as naturally occurring extracts from plants and herbs and other chemical disinfectants safe for use on food-contact surfaces. Chemical releasers can be added to the compositions for causing the release of the antimicrobial agents. The chemical releasers include citric acid extract. A blend of antimicrobial agents can be included in the composition for destroying and inhibiting the growth of a wide variety of different microorganisms including bacteria, viruses, and fungi.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1999:61012 USPATFULL

TITLE: Polymers containing antimicrobial agents and methods for making and using same

INVENTOR(S): Seabrook, Jr., Samuel G., Mount Pleasant, SC, United States
Craver, III, William E., Sullivans Island, SC, United States

PATENT ASSIGNEE(S): Magellan Companies, Inc., Mt. Pleasant, SC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5906825		19990525
APPLICATION INFO.:	US 1997-953908		19971020 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
LEGAL REPRESENTATIVE:	Dority & Manning, P.A.		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1130		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.